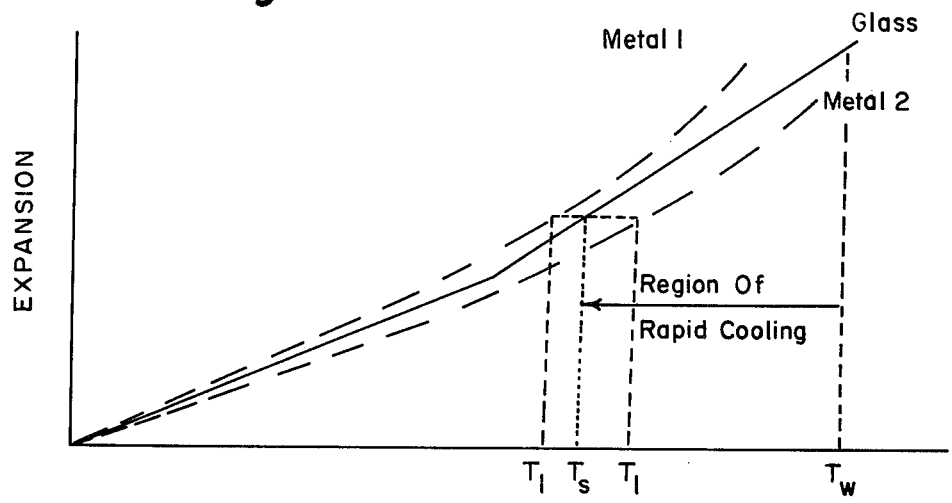
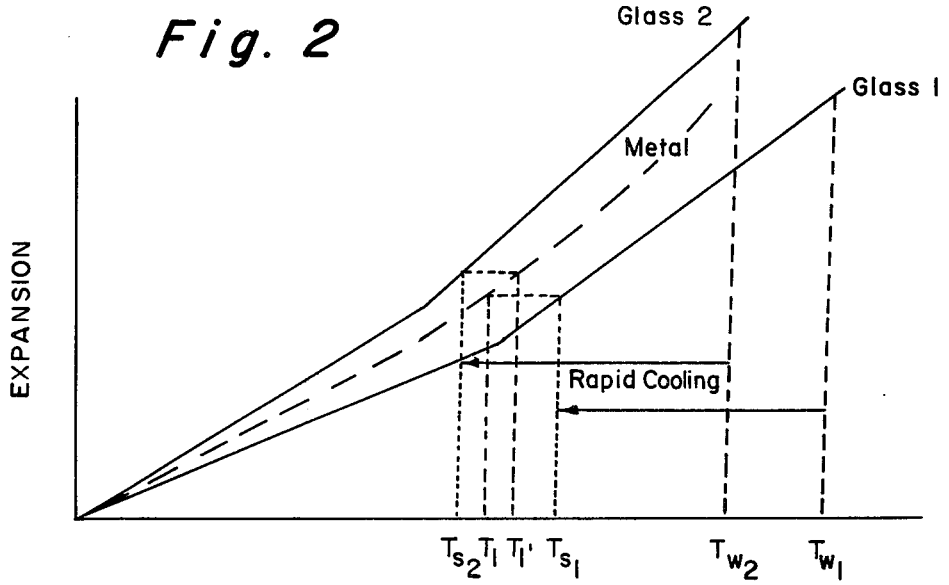
Fig. 1



Schematic showing how two different metals can be coated with the same glass. Immersion takes place at working temperature, T_w. The glass then cools rapidly to near the softening point, T_s. The T_l's for the metals are chosen so that volume expansion for both glass and metal are equal. Slight variations in T_l are made to vary surface stresses.

Fig. 2



Schematic showing how a single metal is heated to T_l or T_l' so that volume expansion matches glass 1 or glass 2 respectively. As above, the T_l's are chosen by matching the volume expansion of the glass when it reaches T_s.